

**Press Release Updated January 6 2025**

**FineArtLight is now building our own Safe Spectrum LED's.**



**FineArtLight on News on Fox.**

**Click on image or**

**<https://www.youtube.com/watch?v=4Oh8bw4NaIA&t=51s>**

FineArtLight LLC is now assembling all electronics for our own replacement 95-98 CRI Safe Spectrum LED lamps in St. Louis and assembly in my studio. The blank 5 level boards are still made in China (with no import tariffs) The electronic components are supplied by Digi-Key (Minnesota) and assembled including the LED chip is placed on the boards and reflowed here in St. Louis. I personally assemble the optics and do the final assembly in my studio.



ABOVE IS 3K 95-98 CRI LED REPLACEMENT LAMPS.

### **USHIO DISCONTINUED ALL HALOGEN IMPORTS**

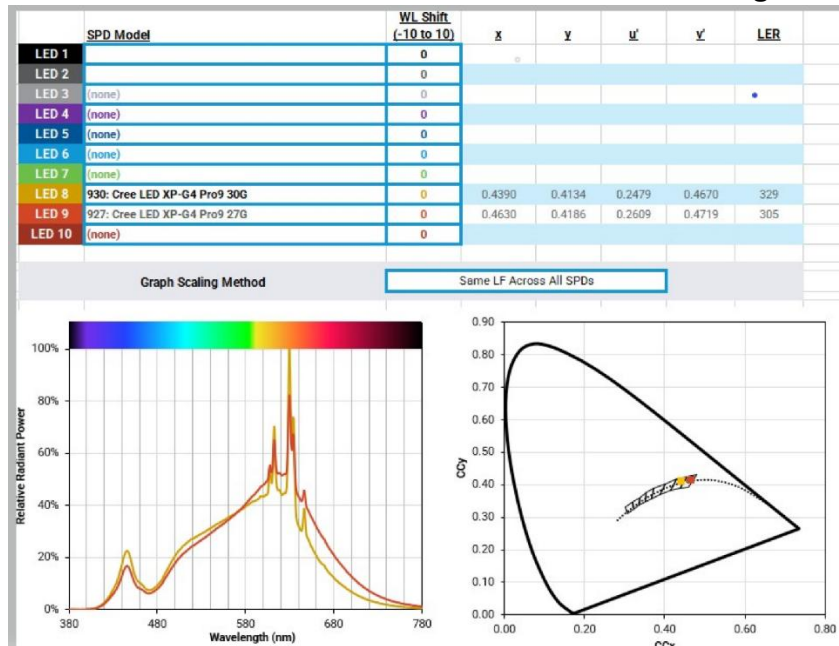
I have built over 11,500 FineArtLight lights and needed to find a solution to the short lamp life of the Halogen lamps. Designing a completely new LED luminaire would have been much easier but I could not abandon my existing clients who requested a longer life light source.

I bought samples of every new MR -11 LED that came on the market but found the beam spread too wide, a spectrum that would damage paintings or would not fit and survive inside my lights.

## HERE IS THE BIG NEWS..... A SAFE SPECTRUM LED CHIP

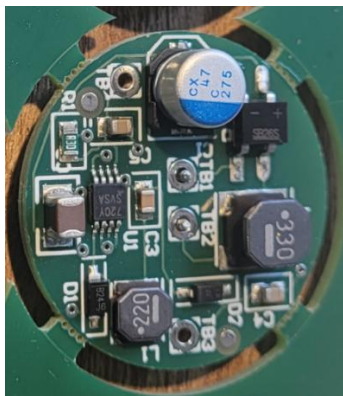
Last fall CREE introduced a new concept in phosphor which has a spiked in the red spectrum with very little damaging blue 450 nm. The color is spectacular. I am using the 3000 Kelvin chip which is very close to the halogen which is measured at 2950 Kelvin.

The chip is about 25% more efficient than a standard LEDs and running at 700 ma the temperature is well within the manufacturers guidelines and we should expect 15,000 to 30,000 hours life which is 7.5-15 times the life of the Ushio halogen lamp



One of the biggest hurdles was to get the CREE LED to work with the existing AC Lightech transformer and dimmer that is in your lights. Jon Elson from Pico Systems developed and built the prototypes of electronic modules. We hired a group to build them the electronic boards offshore but president Biden doubled the Trump tariffs so I am hand building and assembling the final units in my studio. It's very delicate work.

Each Module has 260 lumens, chip running at 3.4 volts, 700 ma with 10 degree beam, and will plug into the existing sockets supplying 12 volts AC.



Electronic Voltage and Current Regulator Khatod 10-degree lens and holder. The final optics together with a 3d printed spacer made in my studio.

Call if you have any questions.

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